-3	TTC ATG GCAG	CTCAGCACAT	CATCTCCATG	GCTGCCATGG	37
38	CATCCCTCCT	TGTAGTACTC	TCGGCAATCC	CGAGAGGCGT	77
78	GGAATCCATT	GGGGTCTGCA	ATGGAATGGA	CGGTGACAAC	117
118	CTCCCCCAGC	CCGCCGACGT	CGTCAACCTC	TACAAGTCCA	157
158	ACAACATAGC	TGGCATGCGA	CTCTACAGCC	CCGACCAAGC	197
198	CACTCTCCAG	GCCCTCCAGG	GCTCTAACAT	CTACCTCATC	237
238	CTCGACGTCC	CCAACTCCGA	CCTCCAAAAC	ATTGCCTCCG	277
278	ACCAATCCGC	CGCCACCAAC	TGGGTCCAAA	CCAACGTCCA	317
318	AGCCTACCCA	AACGTTGCCT	TCCGATACAT	CGCCGTCGGA	357
358	AACGAAGTCA	TCCCCGGCGG	CCAAGCTCAG	TACGTCCTCC	397
398	CAGCCATGAA	CAACATACAG	TCCGCCCTCT	CCTCTGCCGG	437
438	CCTTCAGAAC	ATCAAGGTCT	CCACATCAGT	CTCCTTCGGC	477
478	GTCGTCGGTA	CCTCATATCC	CCCCTCAGCT	GGCTCCTTCT	517
518	CTTCCGATGC	ATCGTCGACA	TTGGGTCCAA	TCATACAGTT	557
558	TCTAGCCAGC	AATGGCTCCC	CATTACTTGC	CAACATCTAC	597
598	CCCTACTTGA	GCTATGCTGG	CAACTCCGGA	TCCATCGACC	637
638	TCTCATACGC	CCTCTTTACT	GCATCTGGTA	CAGTCGTACA	677
678	GGACGGGTCC	TACGCTTACA	ACAACCTCTT	CGATGCCATG	717
718	GTCGACGCAT	TGTACTCGGC	CCTGGAGAGC	GCCGGAGGGC	757
758	CGAATGTCCC	TGTTGTCGTG	TCGGAGAGTG	GCTGGCCGTC	797
798	AGCGGGCGGG	ACAGCGGCGA	CGGTGTCTAA	TGCGCAGACT	837
838	TACAATTCCA	ATTTGATCAA	CCATGTGGGT	CAGGGGACGC	877
878	CGAAGAGGCC	AGGGGCGATT	GAGACCTACA	TATTTGCCAT	917
918	GTTCAACGAG	GATCAGAAGC	AGCCGCAAGG	GATTGAGAAT	957
958	AACTTTGGGC	TGTTTTACCC	TAACGAACAG	CCTGTCTATT	997
998	CGATCAGCTT	CACT TGA GAA	ATTTGATCAG	ATGAAATATA	1037
1038	AATAAAAGGT	CTTATATTGT	AAGGCAAAGC	TCGTAATTGA	1077
1078	TAGCCATCTA	GTAATATAGC	TCCGGCTAAT	TAAAACTATA	1117
1118	AAATA				1122

Fig. 4. The nucleotide sequence of the full-length cDNA of *LPGlu1*

(incorporating SEQ ID NO: 2).

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  1  MAAQHIISMA AMASLLVVLS AIPRGVESIG VCNGMDGDNL PQPADVVNLY

 51  KSNNIAGMRL YSPDQATLQA LQGSNIYLIL DVPNSDLQNI ASDQSAATNW

101  VQTNVQAYPN VAFRYIAVGN EVIPGGQAQY VLPAMNNIQS ALSSAGLQNI

151  KVSTSVSFGV VGTSYPPSAG SFSSDASSTL GPIIQFLASN GSPLLANIYP

201  YLSYAGNSGS IDLSYALFTA SGTVVQDGSY AYNNLFDAMV DALYSALESA

251  GGPNVPVVVS ESGWPSAGGT AATVSNAQTY NSNLINHVGQ GTPKRPGAIE

301  TYIFAMFNED QKQPQGIENN FGLFYPNEQP VYSISFT
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Fig. 5. The putative amino acid sequence of LPGlu1 (SEQ ID NO: 1).